

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
 Data File : VU042223.D
 Acq On : 29 Jan 2021 14:30
 Operator : SY/MD
 Sample : M1126-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Jan 30 00:51:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jan 29 09:59:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

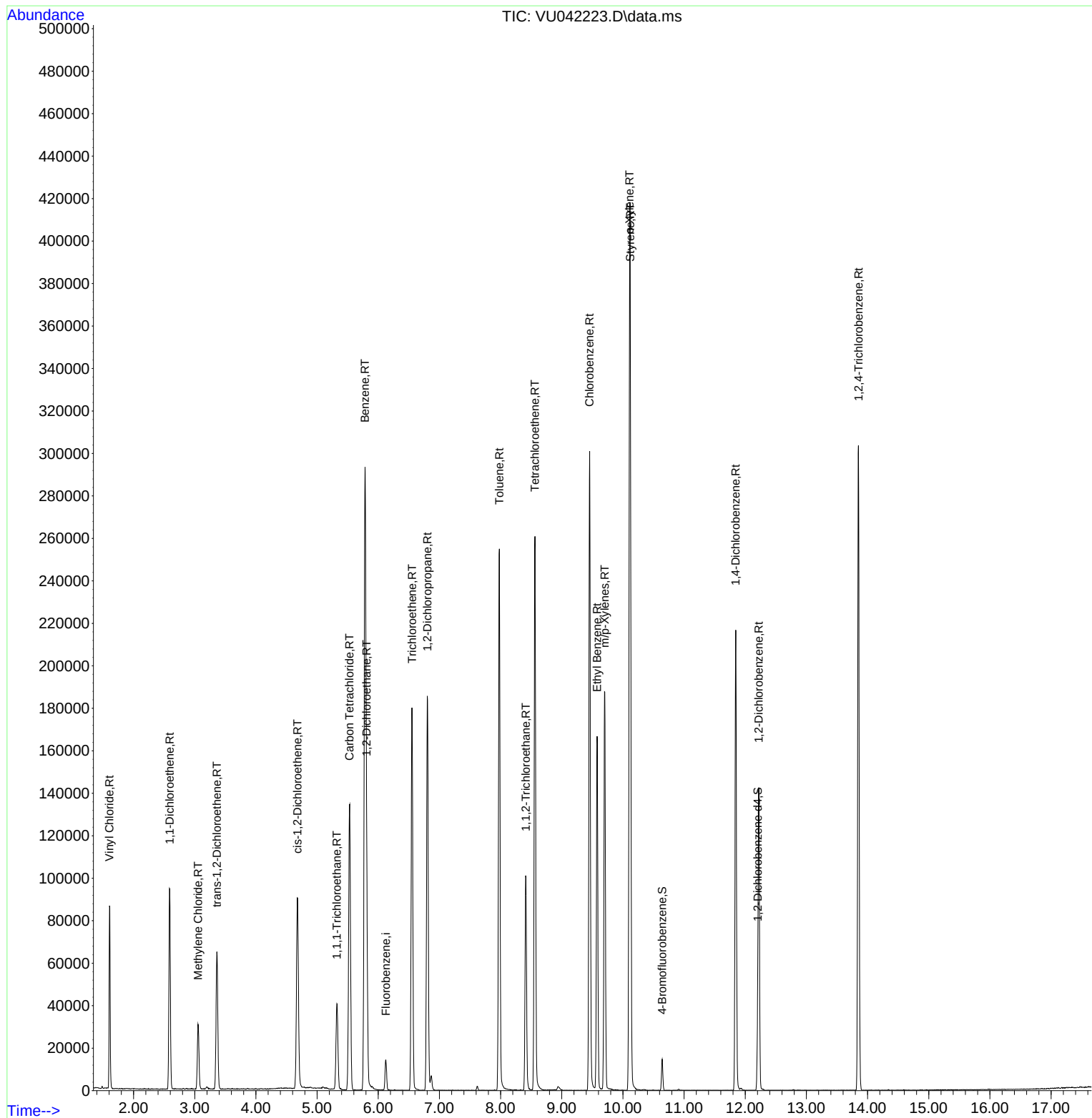
Internal Standards						
1) Fluorobenzene	6.125	96	12342	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	4700	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.205	152	5272	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.607	62	58706	14.03	ug/l	100
9) 1,1-Dichloroethene	2.591	96	29571	10.54	ug/l	98
15) Methylene Chloride	3.054	84	13249	3.77	ug/l	96
16) trans-1,2-Dichloroethene	3.363	96	24900	8.23	ug/l	97
22) cis-1,2-Dichloroethene	4.681	96	43527	12.93	ug/l	85
28) 1,1,1-Trichloroethane	5.324	97	28141	5.09	ug/l	97
30) Carbon Tetrachloride	5.530	117	88492	16.93	ug/l	98
35) Benzene	5.784	78	242921	17.79	ug/l	99
36) 1,2-Dichloroethane	5.809	62	84898	17.22	ug/l	100
37) Trichloroethene	6.552	130	58433	15.95	ug/l	100
38) 1,2-Dichloropropane	6.803	63	66162	17.79	ug/l	100
49) Toluene	7.980	92	101176	11.91	ug/l	99
52) 1,1,2-Trichloroethane	8.411	97	30728	11.53	ug/l	98
58) Tetrachloroethene	8.562	164	56785	17.74	ug/l	98
59) Chlorobenzene	9.456	112	151901	16.44	ug/l	99
63) Ethyl Benzene	9.578	91	113616	6.77	ug/l	99
64) m/p-Xylenes	9.703	106	50173	8.05	ug/l	98
65) o-Xylene	10.108	106	75031	12.21	ug/l	100
66) Styrene	10.121	104	103820	10.07	ug/l	97
83) 1,4-Dichlorobenzene	11.845	146	85309	10.74	ug/l	98
85) 1,2-Dichlorobenzene	12.221	146	54551	7.11	ug/l	100
87) 1,2,4-Trichlorobenzene	13.851	180	96139	16.30	ug/l	99

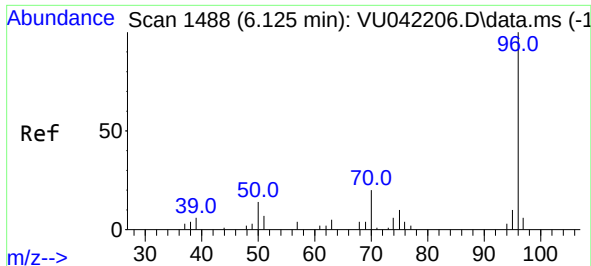
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012921\
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

Quant Time: Jan 30 00:51:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012821DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jan 29 09:59:59 2021
Response via : Initial Calibration

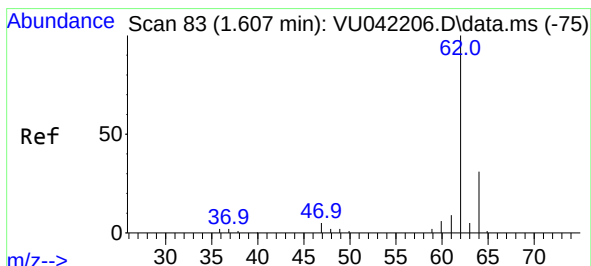
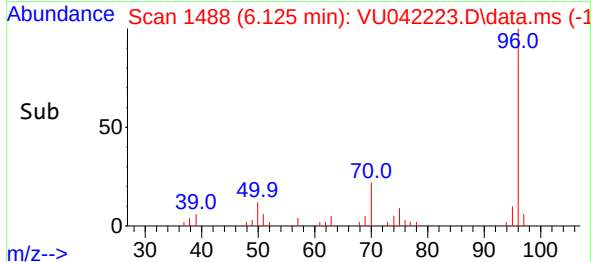
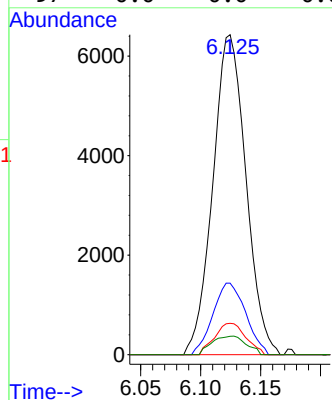
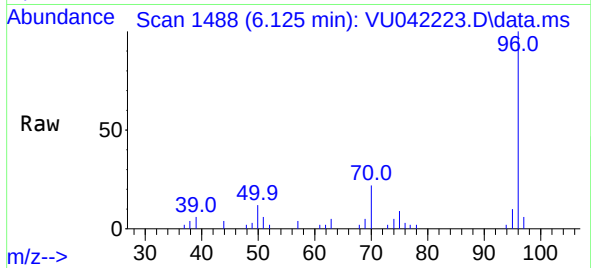




#1
Fluorobenzene
Concen: 1.00 ug/l
RT: 6.125 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

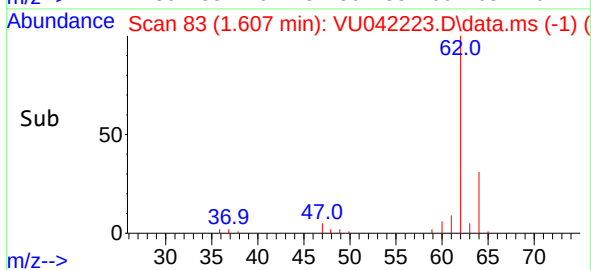
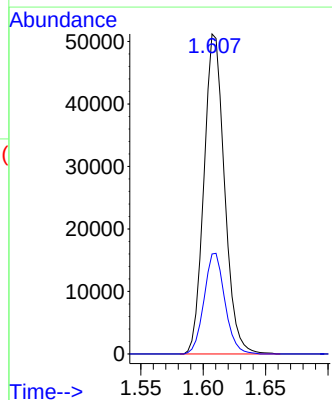
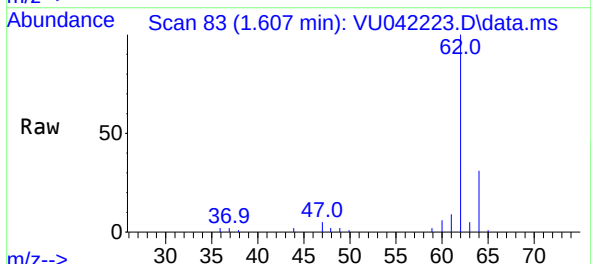
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

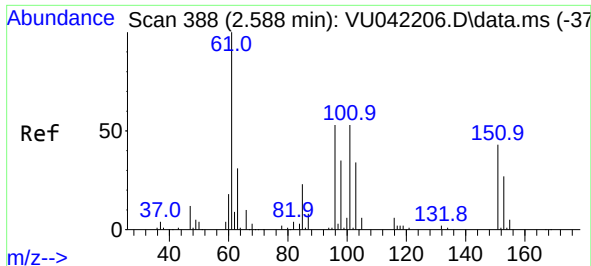
Tgt Ion: 96	Resp: 12342
Ion Ratio	Lower Upper
96 100	
70 22.2	16.3 24.5
95 0.0	7.6 11.4#
97 0.0	0.0 0.0



#4
Vinyl Chloride
Concen: 14.03 ug/l
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 62	Resp: 58706		
Ion Ratio	Lower	Upper	
62 100			
64 31.3	25.1	37.7	

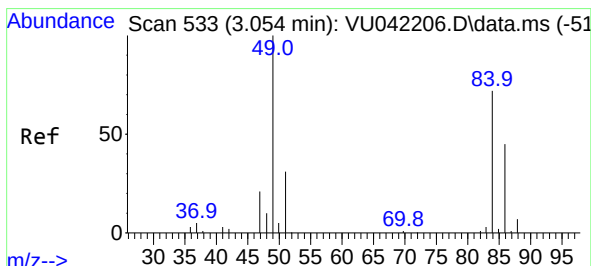
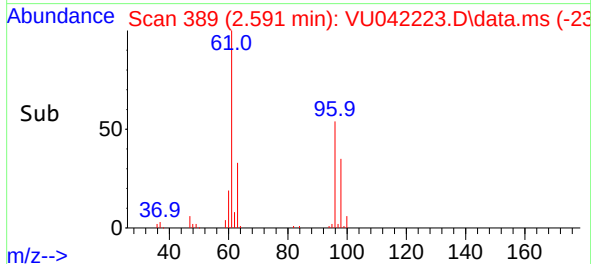
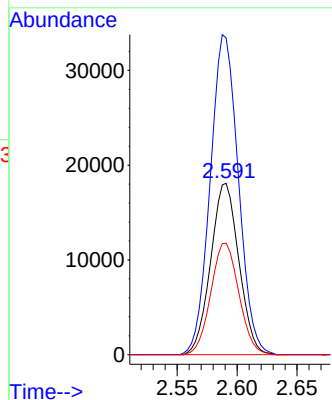
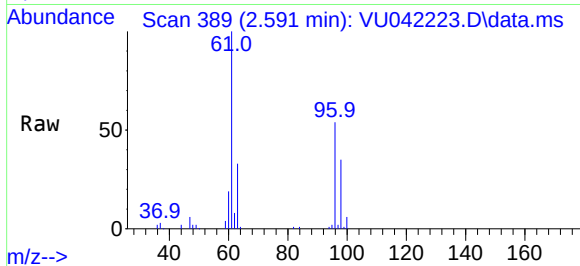




#9
1,1-Dichloroethene
Concen: 10.54 ug/l
RT: 2.591 min Scan# 389
Delta R.T. 0.003 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

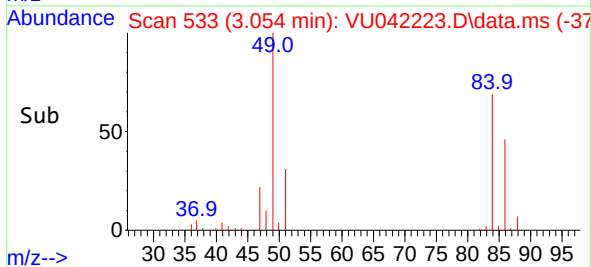
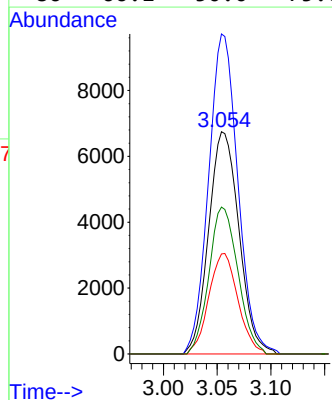
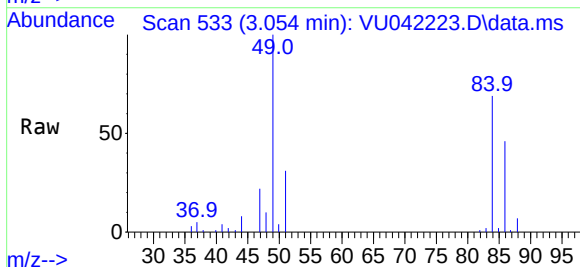
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

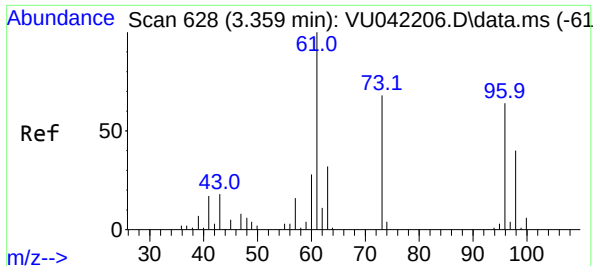
Tgt Ion: 96 Resp: 29571
Ion Ratio Lower Upper
96 100
61 184.8 0.0 565.8
98 65.1 0.0 131.2



#15
Methylene Chloride
Concen: 3.77 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 84 Resp: 13249
Ion Ratio Lower Upper
84 100
49 144.0 111.8 167.6
51 45.0 0.0 85.4
86 66.1 50.0 75.0

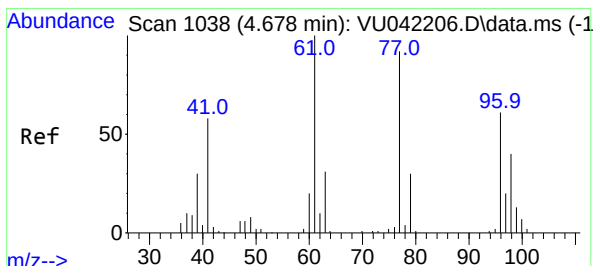
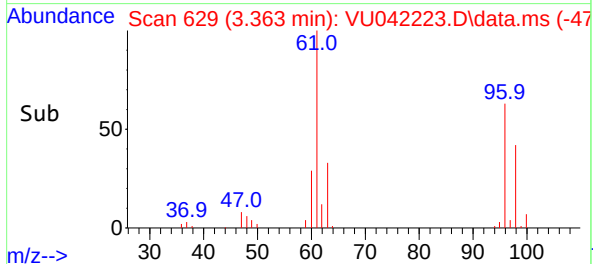
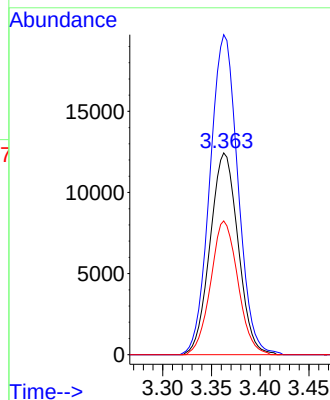
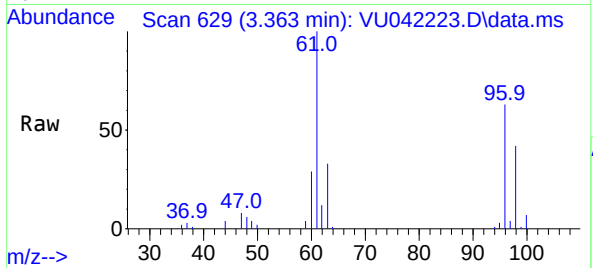




#16
trans-1,2-Dichloroethene
Concen: 8.23 ug/l
RT: 3.363 min Scan# 629
Delta R.T. 0.004 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

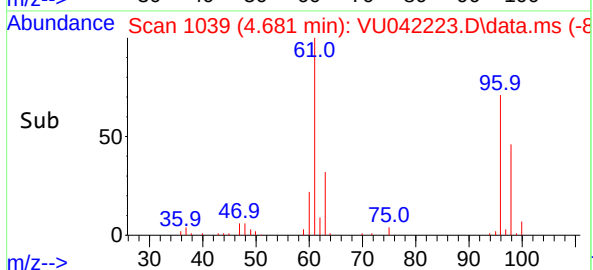
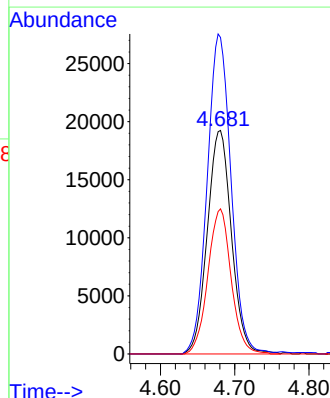
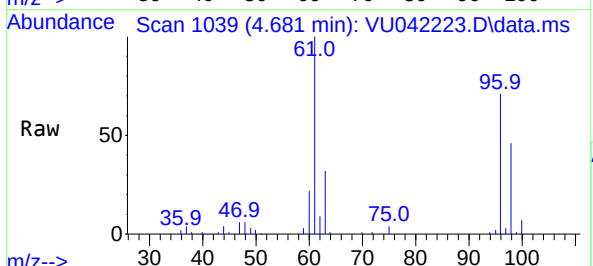
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

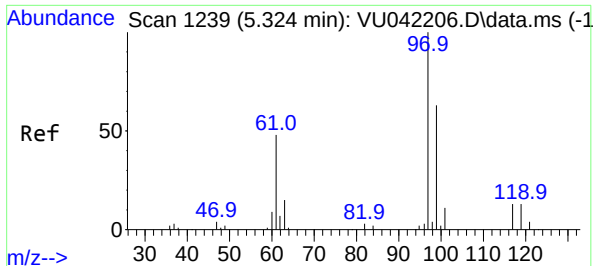
Tgt Ion: 96 Resp: 24900
Ion Ratio Lower Upper
96 100
61 158.6 124.2 186.4
98 66.3 49.7 74.5



#22
cis-1,2-Dichloroethene
Concen: 12.93 ug/l
RT: 4.681 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 96 Resp: 43527
Ion Ratio Lower Upper
96 100
61 141.1 0.0 416.2
98 62.4 32.7 98.1

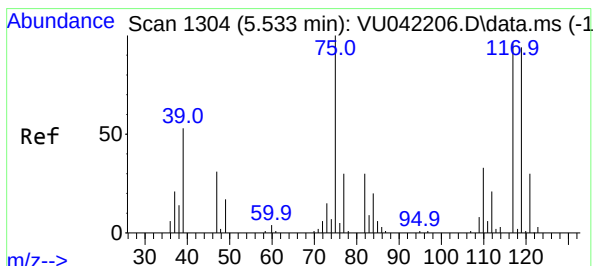
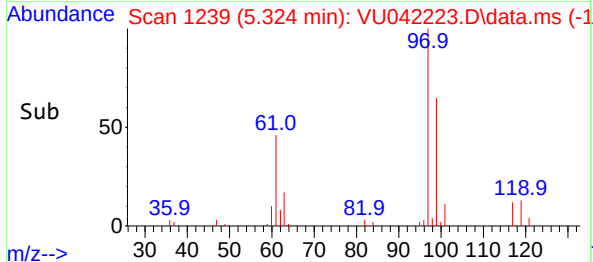
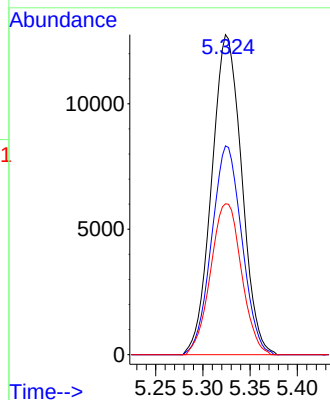
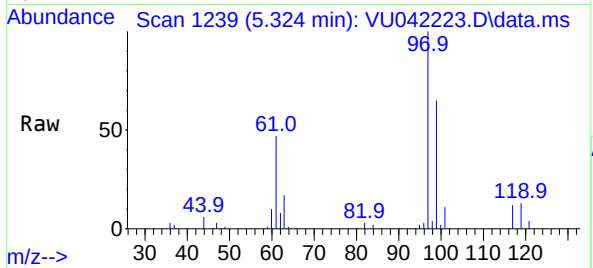




#28
1,1,1-Trichloroethane
Concen: 5.09 ug/l
RT: 5.324 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

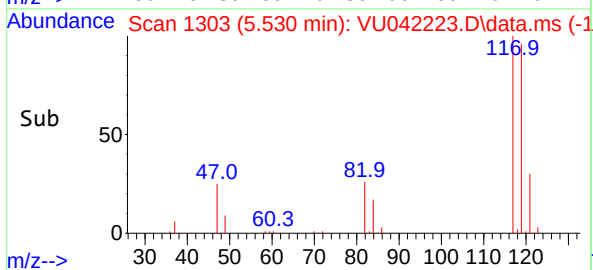
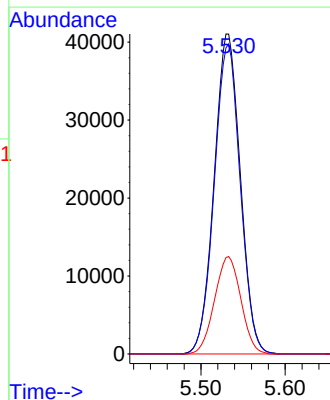
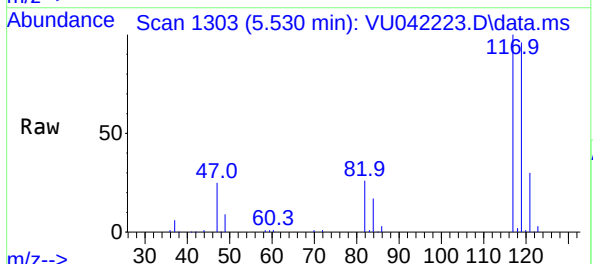
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

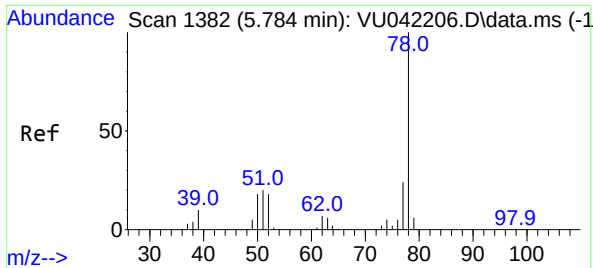
Tgt Ion:	97	Resp:	28141
Ion	Ratio	Lower	Upper
97	100		
99	65.9	31.9	95.7
61	48.6	23.3	69.8



#30
Carbon Tetrachloride
Concen: 16.93 ug/l
RT: 5.530 min Scan# 1303
Delta R.T. -0.003 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion:	117	Resp:	88492
Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.1	117.1
121	30.1	25.1	37.7

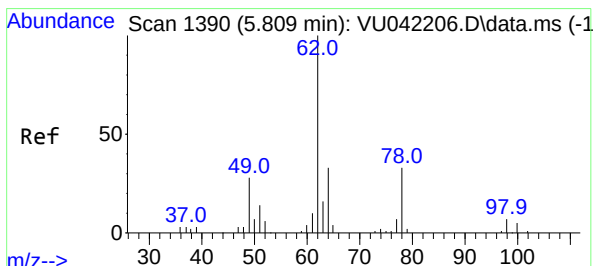
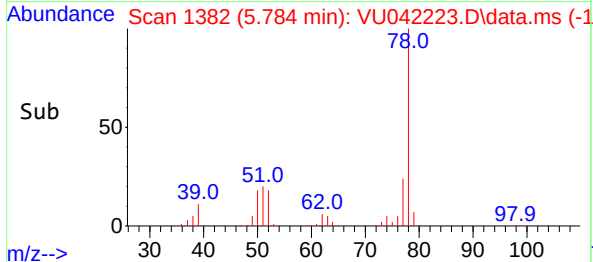
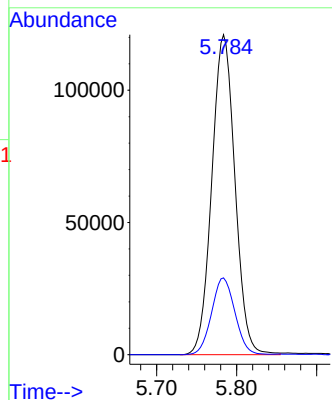
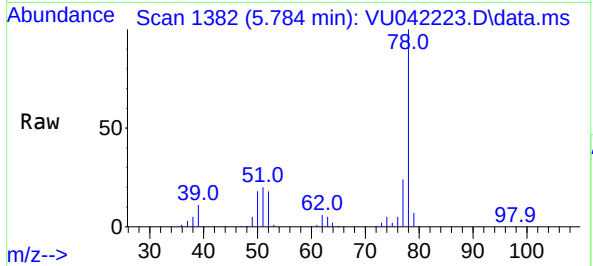




#35
Benzene
Concen: 17.79 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

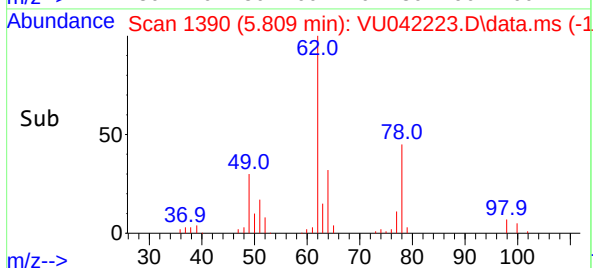
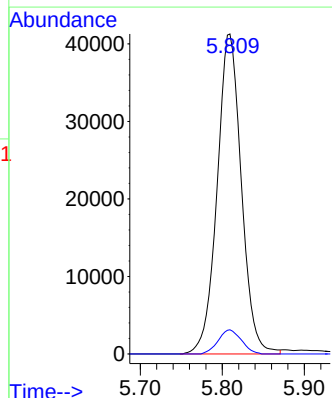
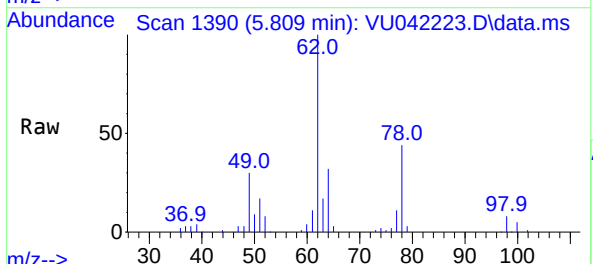
Instrument :
MSVOA_U
ClientSampled :
PT-RVOA-WS

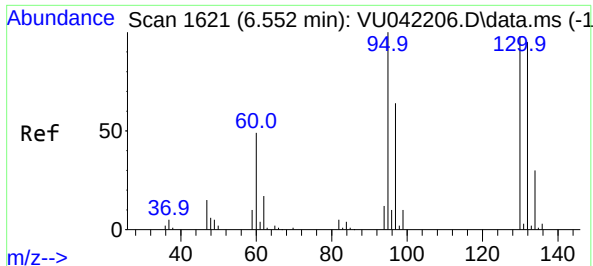
Tgt Ion: 78 Resp: 242921
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2



#36
1,2-Dichloroethane
Concen: 17.22 ug/l
RT: 5.809 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 62 Resp: 84898
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.8

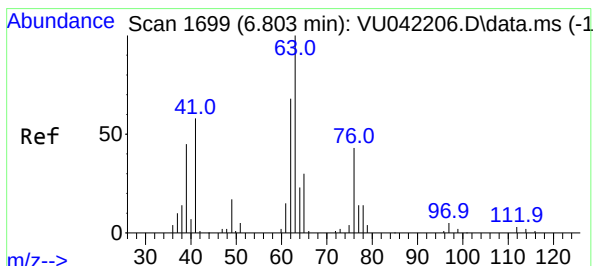
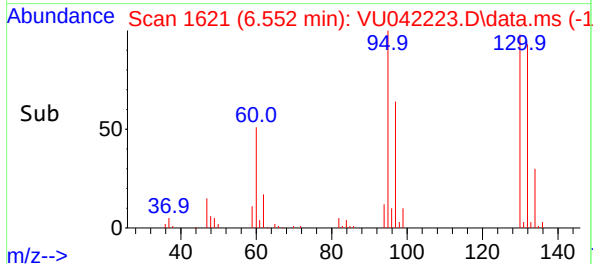
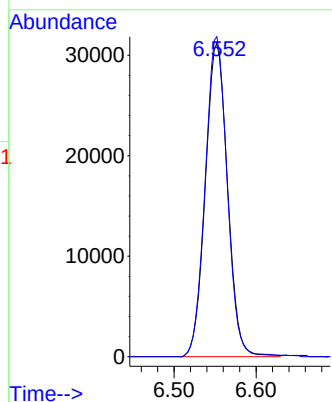
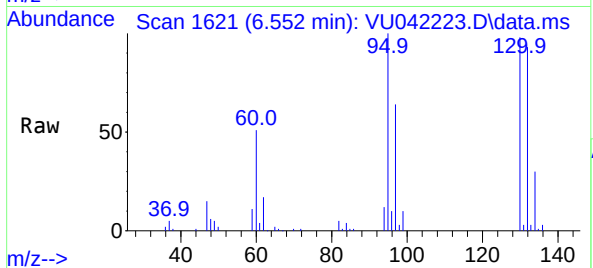




#37
Trichloroethene
Concen: 15.95 ug/l
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

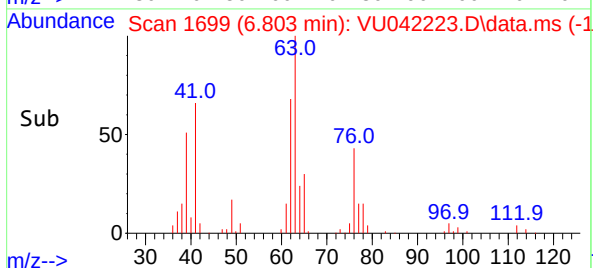
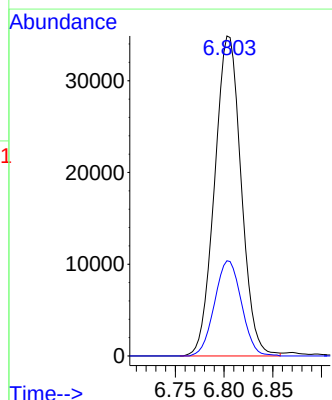
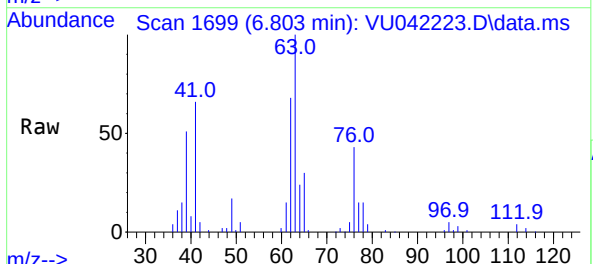
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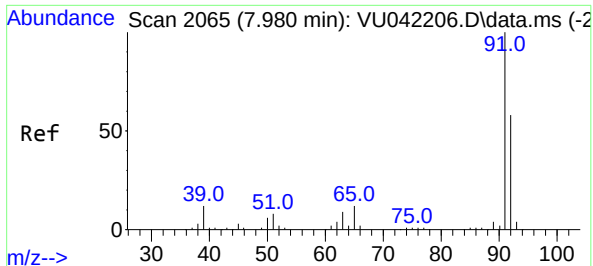
Tgt Ion:130 Resp: 58433
Ion Ratio Lower Upper
130 100
95 102.1 81.4 122.0



#38
1,2-Dichloropropane
Concen: 17.79 ug/l
RT: 6.803 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 63 Resp: 66162
Ion Ratio Lower Upper
63 100
65 29.8 23.8 35.6





#49

Toluene

Concen: 11.91 ug/l

RT: 7.980 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VU042223.D

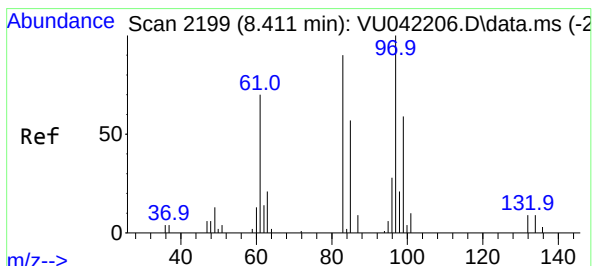
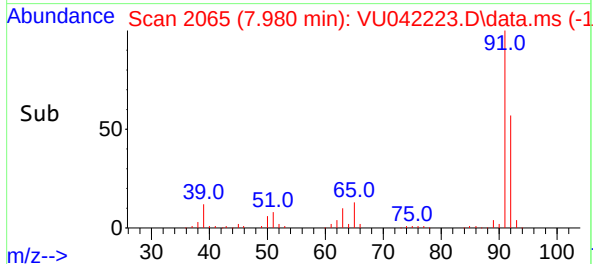
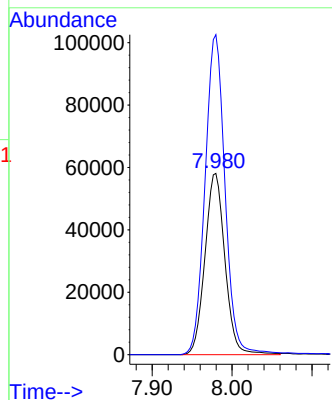
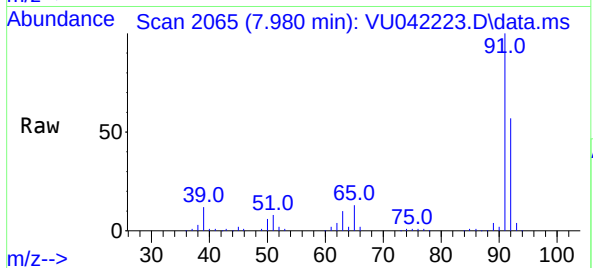
Acq: 29 Jan 2021 14:30

Tgt Ion: 92 Resp: 101176

Ion Ratio Lower Upper

92 100

91 176.2 139.6 209.4



#52

1,1,2-Trichloroethane

Concen: 11.53 ug/l

RT: 8.411 min Scan# 2199

Delta R.T. -0.000 min

Lab File: VU042223.D

Acq: 29 Jan 2021 14:30

Tgt Ion: 97 Resp: 30728

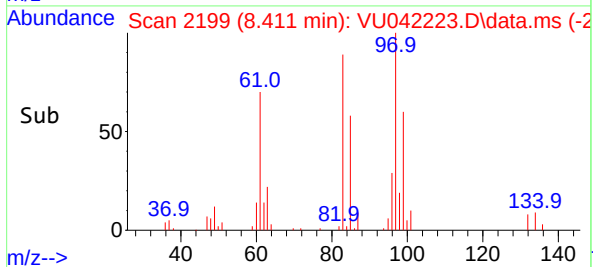
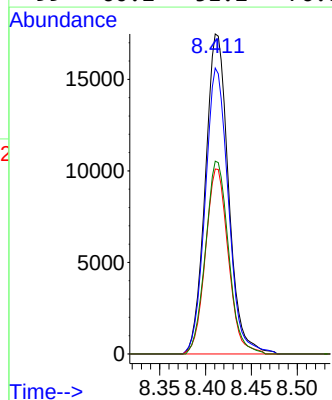
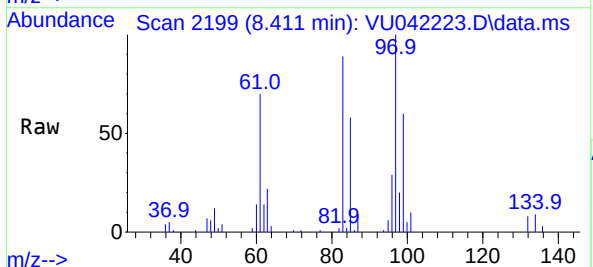
Ion Ratio Lower Upper

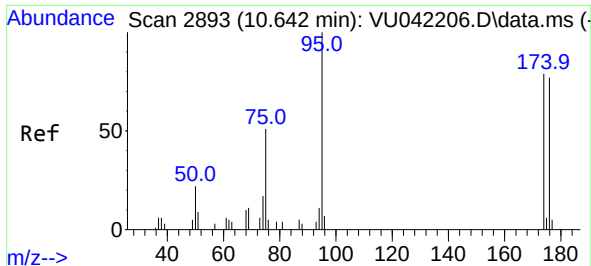
97 100

83 89.4 71.9 107.9

85 57.8 46.2 69.4

99 60.2 51.2 76.8

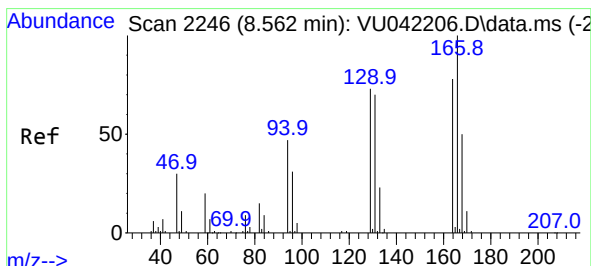
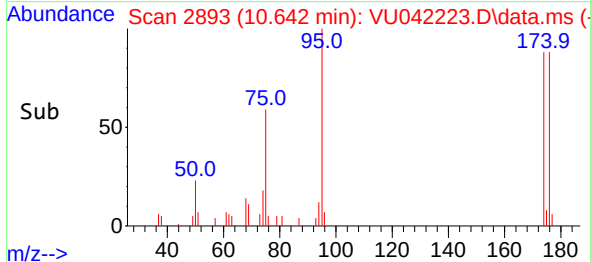
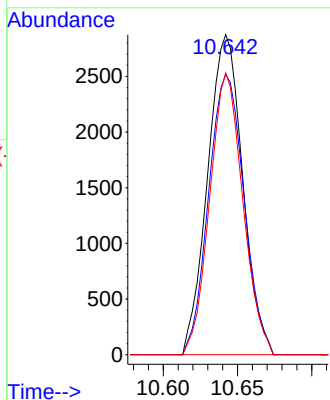
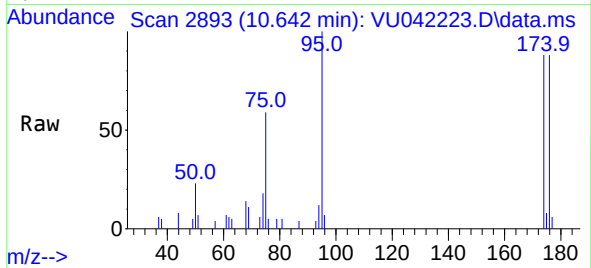




#57
4-Bromofluorobenzene
Concen: 0.98 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

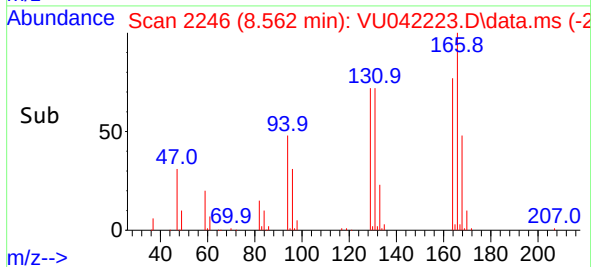
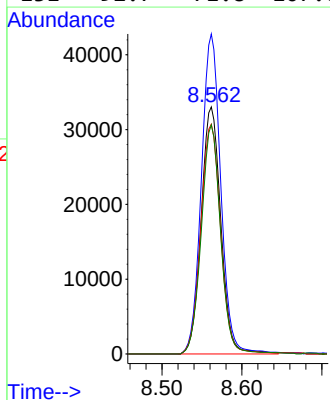
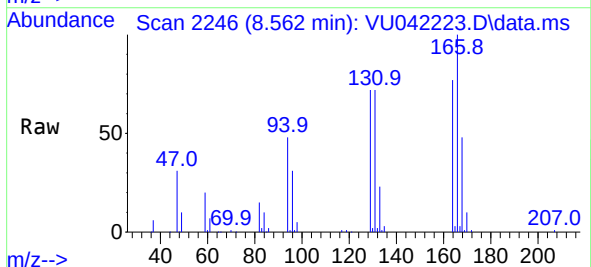
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

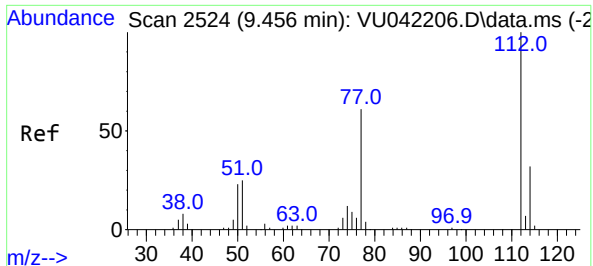
Tgt Ion: 95 Resp: 4700
Ion Ratio Lower Upper
95 100
174 88.7 69.6 104.4
176 83.5 65.5 98.3



#58
Tetrachloroethene
Concen: 17.74 ug/l
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion: 164 Resp: 56785
Ion Ratio Lower Upper
164 100
166 129.5 102.2 153.2
129 93.0 74.4 111.6
131 92.7 71.8 107.6





#59

Chlorobenzene

Concen: 16.44 ug/l

RT: 9.456 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU042223.D

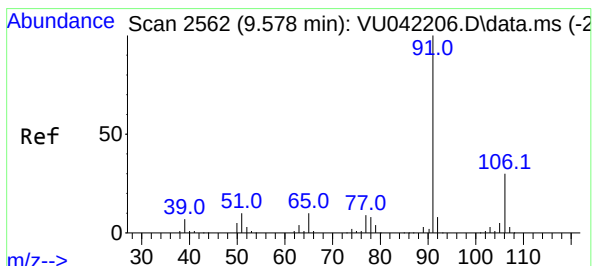
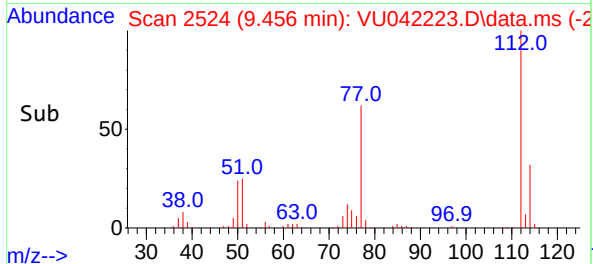
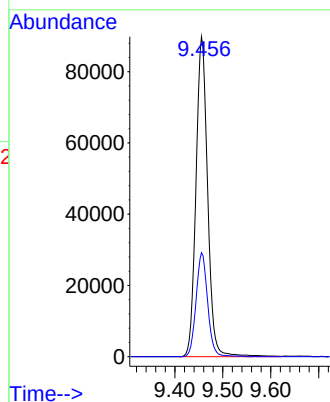
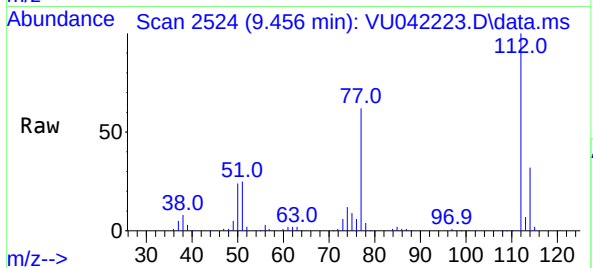
Acq: 29 Jan 2021 14:30

Tgt Ion:112 Resp: 151901

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.2



#63

Ethyl Benzene

Concen: 6.77 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU042223.D

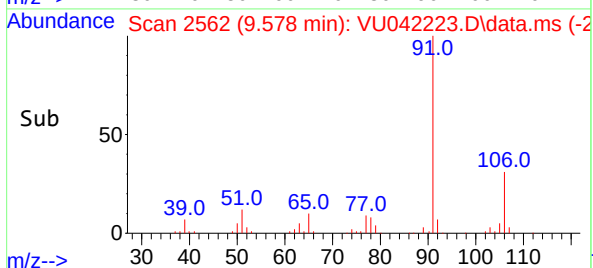
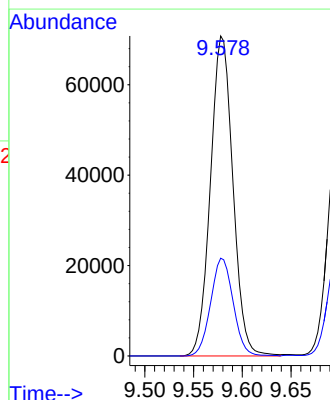
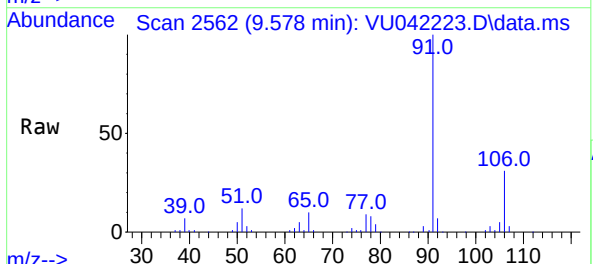
Acq: 29 Jan 2021 14:30

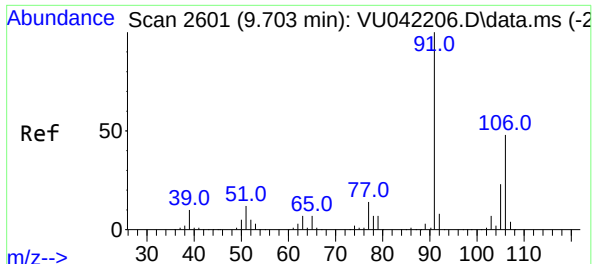
Tgt Ion: 91 Resp: 113616

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1

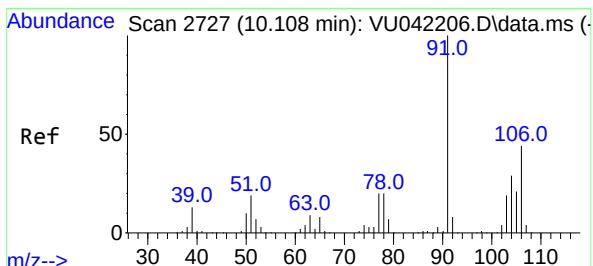
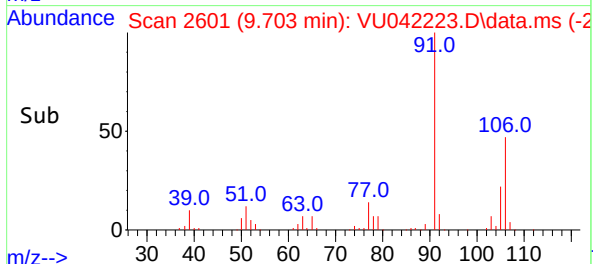
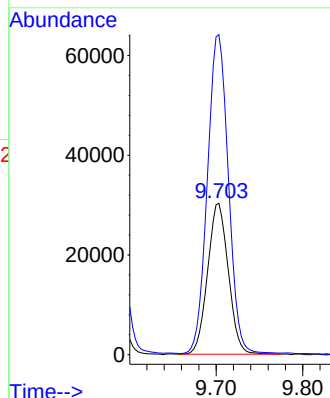
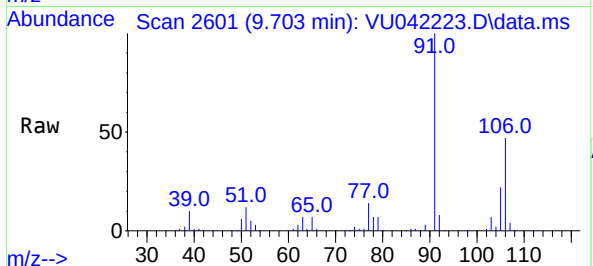




#64
m/p-Xylenes
Concen: 8.05 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

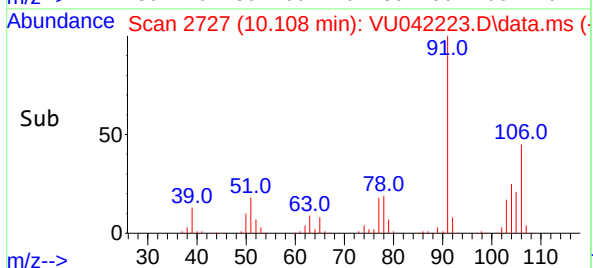
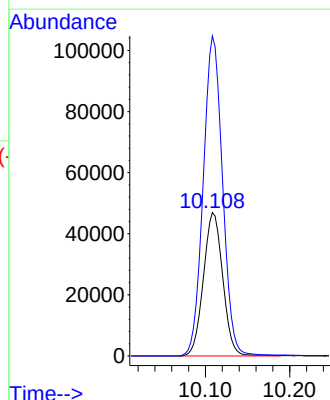
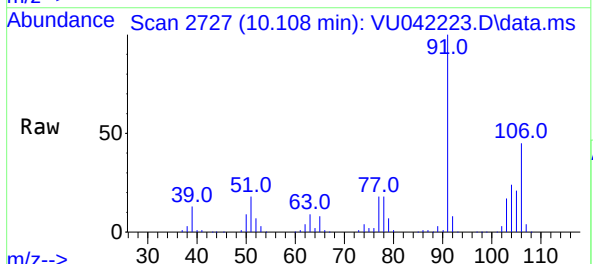
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

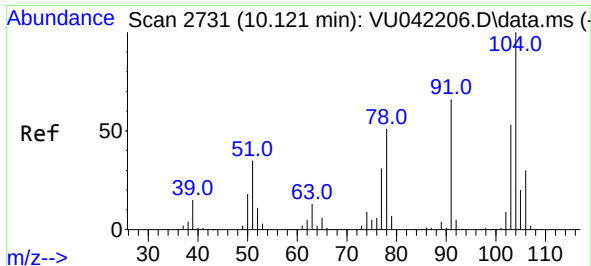
Tgt Ion:106 Resp: 50173
Ion Ratio Lower Upper
106 100
91 214.0 168.4 252.6



#65
o-Xylene
Concen: 12.21 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

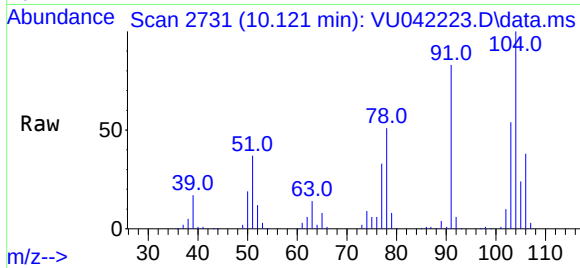
Tgt Ion:106 Resp: 75031
Ion Ratio Lower Upper
106 100
91 223.4 112.0 336.0



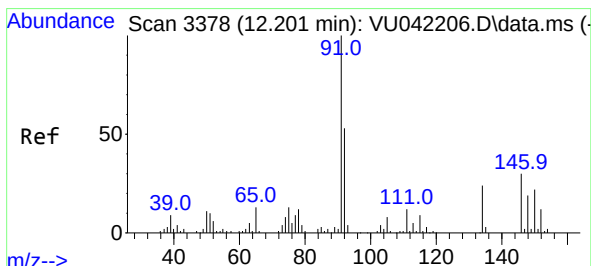
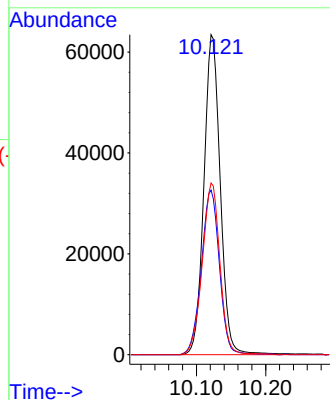
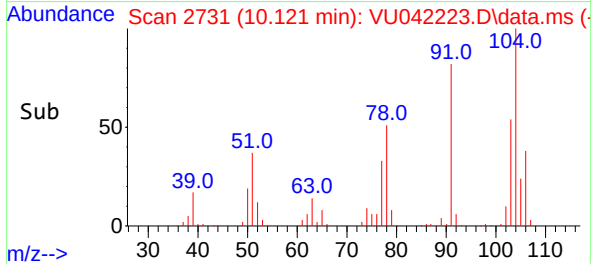


#66
Styrene
Concen: 10.07 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

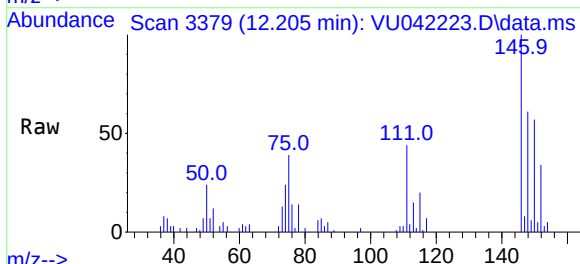
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS



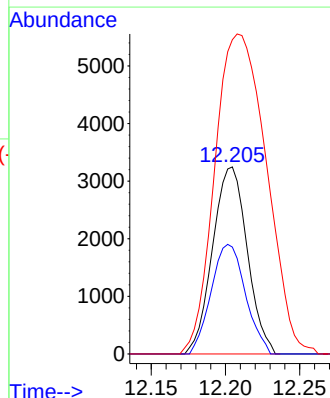
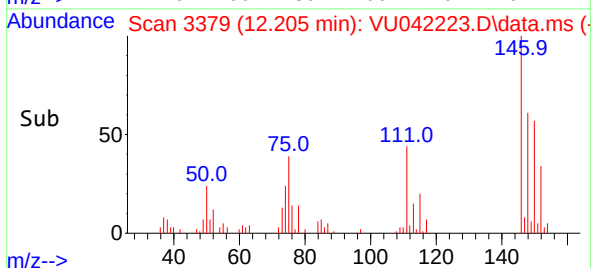
Tgt Ion:104 Resp: 103820
Ion Ratio Lower Upper
104 100
78 57.0 43.9 65.9
103 58.1 44.7 67.1

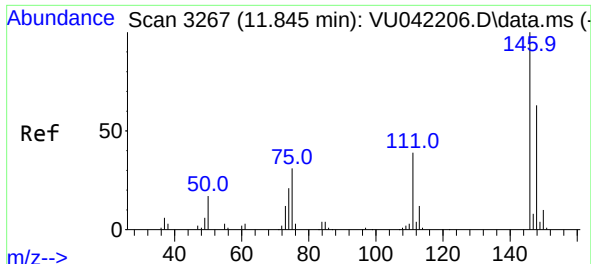


#68
1,2-Dichlorobenzene-d4
Concen: 1.08 ug/l
RT: 12.205 min Scan# 3379
Delta R.T. 0.004 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30



Tgt Ion:152 Resp: 5272
Ion Ratio Lower Upper
152 100
115 58.1 0.0 243.2
150 254.7 0.0 642.6

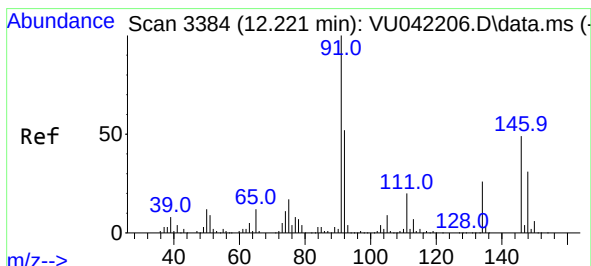
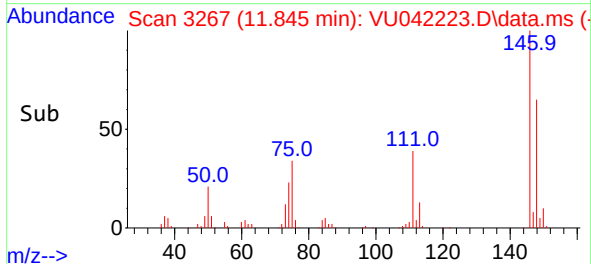
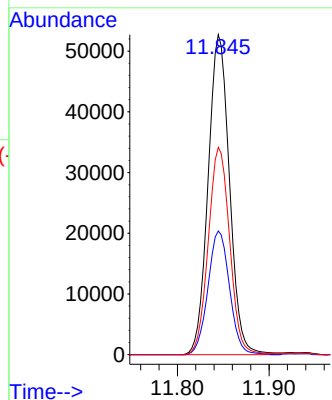
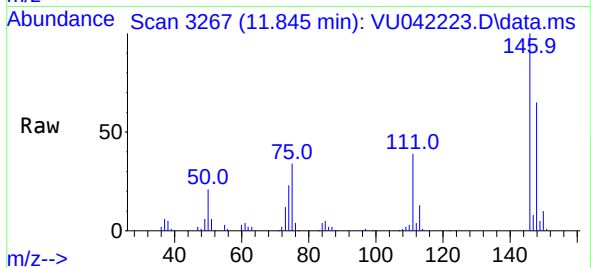




#83
1,4-Dichlorobenzene
Concen: 10.74 ug/l
RT: 11.845 min Scan# 3267
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

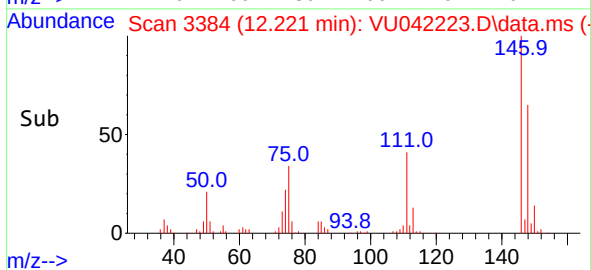
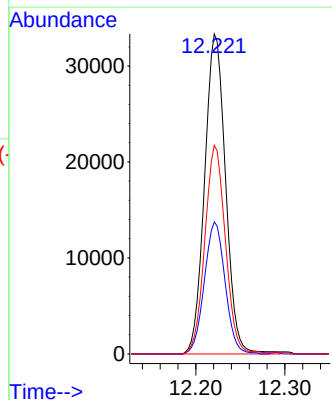
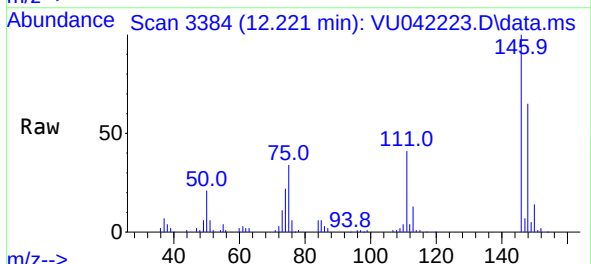
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

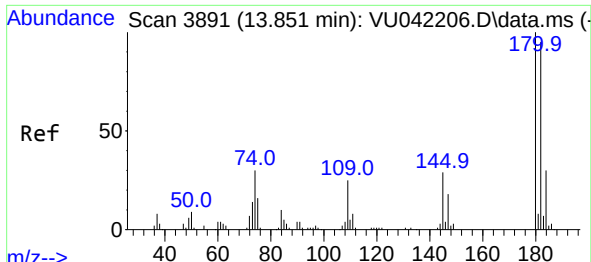
Tgt Ion:146 Resp: 85309
Ion Ratio Lower Upper
146 100
111 39.0 30.7 46.1
148 65.0 50.3 75.5



#85
1,2-Dichlorobenzene
Concen: 7.11 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU042223.D
Acq: 29 Jan 2021 14:30

Tgt Ion:146 Resp: 54551
Ion Ratio Lower Upper
146 100
111 40.8 20.6 61.8
148 64.0 32.1 96.3





#87
 1,2,4-Trichlorobenzene
 Concen: 16.30 ug/l
 RT: 13.851 min Scan# 3891
 Delta R.T. -0.000 min
 Lab File: VU042223.D
 Acq: 29 Jan 2021 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Tgt Ion:180 Resp: 96139
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.7 115.1
 145 29.8 23.4 35.0

